

# Rayoface™ CPA

Data

High Performance, Top Coated Clear, High Gloss  
Biaxially Oriented Polypropylene Film for Facestock Applications

### FEATURES

- Dedicated superior print receptive top coating for excellent printability
- Excellent clarity for ‘no-label look’
- Excellent hot/cold moisture resistance
- Recyclable with polyolefin materials
- Semi-squeeze performance
- High stiffness for conversion and automatic dispensing
- Balanced biaxial orientation for superior even die cutting
- High gloss surface

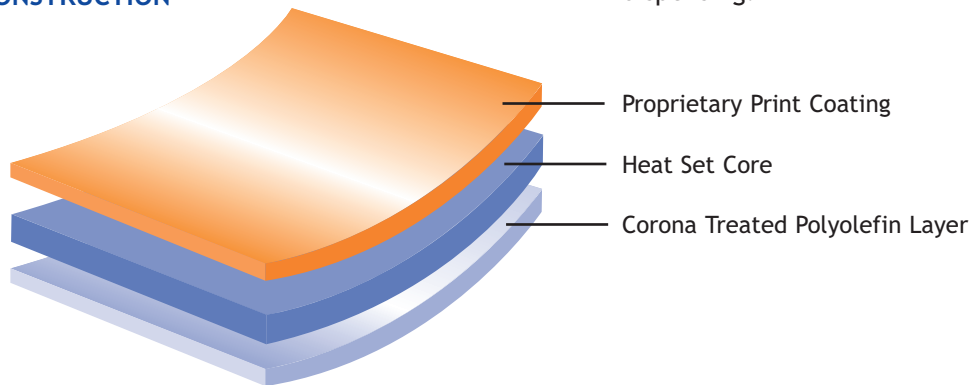
### PRINTABILITY

Rayoface CPA has a proprietary top coating which gives outstanding printing performance across a wide variety of printing processes including flexography, letterpress, offset, silkscreen, gravure and hot or cold foiling processes. It is highly compatible with UV, water-based and solvent-based inks, excellent for demanding applications where the label can be exposed to moisture and a range of temperatures. With UV curing inks, print adhesion is maintained even after immersion in hot water, for example in pasteurisation processes, or after prolonged immersion in iced water with no visible clouding of the topcoat. However, exact ink and foil systems should be recommended by your supplier.

### CONVERSION

The balanced biaxial orientation of Rayoface CPA results in excellent die cutting performance, enhancing label edge appearance and prolonging die life. The high machine direction stiffness and tensile strength produces excellent matrix stripping and superior high speed label dispensing.

### CONSTRUCTION



### STANDARD REEL SPECIFICATIONS

Film	Core Size / (mm)	Approx Outside Dia / (mm)	Length / (metres)
CPA31	153	797	15000

Alternative reel lengths/core sizes are available subject to negotiation.  
The top coating is available on either the inner or outer surface of Rayoface CPA.  
The uncoated surface is corona discharge treated.

**Technical Properties (Typical Values)**
**Physical Data**

Property	Test Method	Test Conditions	Units	CPA
Thickness	Innovia Films test		micron	31
Yield	Innovia Films test		m <sup>2</sup> /kg g/m <sup>2</sup>	35.4 28.2
Optical: Gloss Haze (wide angle)	ASTM D 2457	45°	%	90
	ASTM D 1003	2.5°		<3.0

**Mechanical Data**

Tensile strength	ASTM D 882	Strain rate 50%/min	MN/m <sup>2</sup>	MD TD	210 170
Elongation at break	ASTM D 882	Strain rate 50%/min	%	MD TD	85 105
Elasticity modulus (1% secant)	ASTM D 882	Strain rate 10%/min	MN/m <sup>2</sup>	MD TD	2900 2600

**Thermal Data**

Dimensional stability	Innovia Films test	60 secs at 120° C	%	MD TD	3.0 Nil
		60 secs at 130° C		MD TD	6.0 Nil

All properties are tested under standard laboratory conditions: 23 ±2° C; 50 ±5% RH, unless otherwise stated.  
 MD Machine direction      TD Transverse direction

**Film Storage and Handling**

Care should be taken to protect reels of film from storage temperatures above 30° C and localised sources of heat above 45° C.

The reels should remain in the protective coverings supplied until ready for use on converting machinery. Converted reels, in both master and slit reel form should be similarly protected at all times.

Rayoface CPA is suitable for use for 6 months from the date of delivery and stocks should be used in rotation.

Films should be allowed to reach operating room temperatures for 24 hours before use.

Please refer to literature reference L110 - 1 of 2.

**Food Contact**

Rayoface CPA is not suitable for applications involving direct contact with foodstuffs. For specific enquiries, please refer to literature reference L110 - 2 of 2, or contact our Technical Services Department.

**Health and Safety Guidelines**

For Health and Safety information, please refer to literature reference L190.



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